

LISTING OF THE CLAIMS:

1. (Currently amended) A method of obtaining and presenting video surveillance information, comprising:

over a period of time, receiving position and orientation telemetry regarding operation of a camera mounted on ~~[[a]]~~ an airborne moveable surveillance platform;

processing the telemetry ~~to determine a view of the camera~~ over the period of time to determine a plurality of earth-oriented fields of view of the camera during movement of the airborne surveillance platform over the period of time;

displaying over time, representations of the determined earth-oriented fields of view of the camera on a map display on a user interface;

detecting a user selection of a displayed representation of at least one field of view via the user interface, the selected ~~[[view]]~~ representation corresponding to a portion of the period of time;

formulating an information request indicating the corresponding portion of the period of time;

sending the information request via a network to a facility having access to stored video information received from the camera, over the period of time;

receiving one or more frames of video information generated by the camera, from the facility via the network, the one or more frames containing actual image data taken by the camera during the corresponding portion of the period of time and corresponding to the user selected representation of one or more fields of view; and

displaying the received one or more frames of video information to the user.

2. (Currently amended) The method as in claim 1, wherein the step of displaying the representations of the determined earth-oriented fields of view of the camera on the map display on the user interface comprises:

displaying a map of a geographic region under surveillance by the moveable surveillance platform; and

overlaying outlines of the determined earth-oriented fields of view of the camera, for a plurality of points in time, on the displayed map.

3. (Currently amended) The method as in claim 2, wherein the step of detecting the user selection ~~of the view via the user interface~~ comprises receiving a user selection of at least one displayed outline of a determined view of the camera.

4. (Currently amended) The method as in claim 3, wherein the step of detecting the user selection ~~of the view via the interface~~ further comprises receiving a user selection of a time interval referenced to the point in time corresponding to the selected displayed outline of a determined view of the camera.

5. (Original) The method as in claim 3, wherein the step of receiving a user selection of at least one displayed outline comprises receiving user selection of a plurality of the displayed outlines of determined views of the camera.

6. (Original) The method as in claim 5, wherein the one or more frames of video information consist essentially of a plurality of selected still frame images.

7. (Original) The method as in claim 4, wherein the received and displayed video information comprises a video clip of a user selected duration.

8. (Currently amended) The method as in claim 3, further comprising overlaying an indicator of the current location of the moveable surveillance platform on the displayed map, concurrent with the overlaying of the outlines of the determined [[view]] views of the camera for the plurality of points in time.

9. (Currently amended) A method of disseminating video surveillance information, comprising:

over a period of time, receiving and storing real-time video image information from a camera mounted on [[a]] an airborne moveable surveillance platform;

with the video image information, receiving position and orientation telemetry regarding operation of the camera over the period of time;

transmitting notification messages to a user's client device over limited network communication facilities, the notification messages including information regarding the telemetry sufficient to allow determination of earth-oriented fields of view of the camera during movement of the airborne surveillance platform during the period of time;

receiving an information request from the user's client device, the information request identifying a user selected portion of the received real-time video image information; and

transmitting the selected portion of the video image information to the user's client device over the limited network communications facilities.

10. (Original) The method as in claim 9, wherein the step of receiving and storing video image information comprises:

receiving an analog video signal from the camera;

digitizing the received analog video signal;

indexing the digitized video signal; and

storing the digitized and indexed video signal.

11. (Currently amended) The method as in claim 9, ~~wherein~~ wherein:
the notification messages are transmitted periodically, and
each video notification message contains information relating to a ~~field~~ at least one of the
earth-oriented fields of view of the camera ~~at a point in time~~.

12. (Original) The method as in claim 9, wherein:
the received information request identifies a point in the received video image information and a time interval in relation to the identified point; and
the step of transmitting video image information comprises extracting a clip of video information of the identified time interval in relation to the identified point, from the stored video image information, and transmitting the clip of video information to the user's client device.

13. (Original) The method as in claim 9, wherein:
the received information request identifies a plurality of user selected points in the received video image information; and

the transmitted video image information comprises video frames corresponding to the user selected points.

14. (Currently amended) A terminal device ~~comprising~~ comprising:
a processor,
a user interface,
a communication interface,
program storage, and
a program in said storage for execution by the ~~processor to cause processor~~,
wherein execution of the program by the processor causes the terminal to implement a
~~sequence of steps~~ functions, comprising:

over a period of time, receiving position and orientation telemetry regarding operation of
a camera mounted on ~~[[a]] an airborne moveable surveillance platform platform, through limited~~
communication facilities;

processing the telemetry to determine ~~[[a]]~~ earth-oriented fields of view of the camera
over the period of time;

displaying over time, representations of the determined fields of view of the camera on a
map display on the user interface;

detecting a user selection of a displayed representation of at least one field of view via the
user interface, the selected ~~[[view]]~~ representation corresponding to a portion of the period of
time;

formulating an information request indicating the corresponding portion of the period of
time;

sending the information request through the limited communication facilities to a facility having access to stored video information received from the camera, over the period of time;

receiving one or more frames of video information generated by the camera, from the facility through the limited communication facilities, the one or more frames containing actual image data taken by the camera during the corresponding portion of the period of time and corresponding to the user selected representation of at least one field of view; and

displaying the received one or more frames of video information to the user.

15. (Currently amended) A server ~~comprising~~ comprising:

a programmable processor,

data storage storage,

program storage,

a program in the program storage, and

a communication interface,

wherein execution of the program by the processor ~~is programmed so as to cause~~ causes the server to implement a ~~sequence of steps~~ functions for disseminating video surveillance information, the ~~sequence of steps~~ functions comprising:

over a period of time, receiving and storing real-time video image information from a camera mounted on ~~[[a]]~~ an airborne moveable surveillance platform, in the data storage;

with the video image information, continuously receiving position and orientation telemetry regarding operation of the camera over the period of time;

transmitting notification messages to a user's client ~~device~~ device, through limited network communication facilities via the communication interface, the notification messages

including information regarding the telemetry sufficient to allow determination of earth-oriented fields of view of the camera during movement of the airborne surveillance platform during the period of time;

receiving an information request from the user's client device via the communication interface, the information request identifying a user selected portion of the received real-time video image information; and

transmitting the selected portion of the video image information to the user's client device through the limited network communication facilities, via the communication interface.

16. (Currently amended) The server as in claim 15, further ~~comprising~~ comprising:
a video processor, for receiving an analog video signal from the camera, digitizing the received analog video signal and indexing the digitized video signal;
wherein the server stores the digitized and indexed video signal in the data storage.

17. (Original) The server as in claim 15, wherein the program causes the processor to authenticate the user in response to the request.

18. (Currently amended) A program product ~~comprising code transportable on at least one~~ comprising:

a machine readable storage medium, and
a program embodied in the storage medium,
the ~~[[code]]~~ program being executable by a processor of a terminal device to cause the terminal device to implement ~~a sequence of steps~~ functions, comprising:

over a period of time, receiving position and orientation telemetry regarding operation of a camera mounted on ~~[[a]] an airborne moveable surveillance platform platform~~, through limited communication facilities;

processing the telemetry to determine ~~[[a]] earth-oriented fields of view~~ of the camera over the period of time;

displaying over time, representations of the determined fields of view of the camera on a map display on a user interface;

detecting a user selection of a displayed representation of at least one field of view via the user interface, the selected ~~[[view]] representation~~ corresponding to a portion of the period of time;

formulating an information request indicating the corresponding portion of the period of time;

sending the information request through the limited communication facilities to a facility having access to stored video information received from the camera, over the period of time;

receiving one or more frames of video information generated by the camera, from the facility through the limited communication facilities, the one or more frames containing actual image data taken by the camera during the corresponding portion of the period of time and corresponding to the user selected representation of at least one field of view; and

displaying the received one or more frames of video information to the user.

19. (Currently amended) The product as in claim 18, wherein the ~~[[step]] function~~ of displaying the representations of the determined earth-oriented fields of view of the camera on the user interface comprises:

displaying a map of a geographic region under surveillance by the moveable surveillance platform; and

overlaying outlines of the determined earth-oriented fields of view of the camera, for a plurality of points in time, on the displayed map.

20. (Currently amended) The product as in claim 19, wherein the [[step]] function of detecting the user selection of the view via the user interface comprises receiving a user selection of at least one displayed outline of a determined view of the camera.

21. (Currently amended) The product of claim 19, wherein the [[step]] function of detecting the user selection of the view via the interface further comprises receiving a user selection of a time interval referenced to the point in time corresponding to the selected displayed outline of a determined view of the camera.

22. (Currently amended) The product of claim 19, wherein the [[step]] function of receiving a user selection of at least one displayed outline comprises receiving user selection of a plurality of the displayed outlines of determined views of the camera.

23. (Currently amended) The ~~method~~ product of claim 22, wherein the one or more frames of video information consist essentially of a plurality of selected still frame images corresponding to the user selected outlines.

24. (Currently amended) The product of claim 22, wherein the one or more frames of video information comprise a video clip of a user selected duration, and the start and end of the video clip correspond to two of the user selected outlines.

25. (Currently amended) The ~~method as in~~ product of claim 20, ~~the functions~~ further ~~comprising~~ comprise overlaying an indicator of the current location of the moveable surveillance platform on the displayed map, concurrent with the overlaying of the outlines of the determined view of the camera for the plurality of points in time.

26. (Currently amended) A program product ~~comprising code transportable on at least one~~ comprising:

a machine readable storage medium, and

a program embodied in the machine readable storage medium,

the ~~[[code]]~~ program being executable by a processor of a server so as to cause the server to implement ~~a sequence of steps~~ functions for disseminating video surveillance information, the ~~sequence of steps~~ functions comprising:

over a period of time, receiving and storing real-time video image information from a camera mounted on ~~[[a]]~~ an airborne moveable surveillance platform;

with the video image information, receiving position and orientation telemetry regarding operation of the camera over the period of time;

transmitting notification messages to a user's client device through limited network communication facilities, the notification messages including information regarding the

telemetry sufficient to allow determination of earth-oriented fields of view of the camera during movement of the airborne surveillance platform during the period of time;

receiving an information request from the user's client device, the information request identifying a user selected portion of the received real-time video image information received over the period of time; and

transmitting the selected portion of the video image information to the user's client device through the limited network communication facilities.

27. (Currently amended) The product as in claim 26, wherein the ~~[[step]]~~ function of receiving and storing video image information comprises:

receiving an analog video signal from the camera;

digitizing the received analog video signal;

indexing the digitized video signal; and

storing the digitized and indexed video signal.

28. (Currently amended) The product as in claim 26, ~~wherein~~ wherein:
the notification messages are transmitted periodically, and
each video notification message contains information relating to a field at least one of the earth-oriented fields of view of the camera at a point in time.

29. (Currently amended) The ~~method~~ product as in claim 26, wherein:
the received information request identifies a point in the received video image information and a time interval in relation to the identified point; and

the [[step]] function of transmitting video image information comprises extracting a clip of video information of the identified time interval in relation to the identified point, from the stored video image information, and transmitting the clip of video information to the user's client device.

30. (Currently amended) The ~~method~~ product as in claim 26, wherein:

the received information request identifies a plurality of user selected points in the received video image information; and

the transmitted video image information comprises video frames corresponding to the user selected points.

31. (Currently amended) The ~~method~~ product as in claim 26 wherein:

the received information request identifies a user selected frame in the received video image information; and

the transmitted video information comprises the user selected frame.

32. (Currently amended) The ~~method~~ product of claim 31, wherein the transmitted information consists of the user selected frame.